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Edu L. Maldonado

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Attorney Docket No. FUJI 20,477(100794-00451)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor: Takanori IWAMATSU, et al.  
Serial No.: 10/611,412  
Filed: June 30, 2003  
Title: A CDMA RECEIVING...  
Examiner:  
Art Unit:

July 22, 2003

Director of the U.S. Patent and  
Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

SIR:

In order to comply with discretionary rules 37 CFR §§1.97 and 1.98, attached hereto is a copy of Form PTO-1449 and copies of documents listed thereon. These documents contain information in which the Examiner may consider to be important in deciding whether to issue a patent in the instant application.

As this statement is being filed prior to issuance of a first Office Action, no fee is due.

As some of these documents are written in a language other than English, English Language abstracts are annexed thereto explaining its relevancy in accordance with 37 CFR §1.98(a)(3).

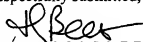
The present Information Disclosure Statement is being submitted in compliance with 37 §CFR 1.56 as an Examiner might consider any cited document important in deciding whether to allow the application to issue as a patent, but the citation of each document is not to be construed

as an admission that such document is necessarily relevant or prior art. No representation is intended that the cited documents represent the results of a complete search, and it is anticipated that the Examiner in the normal course of examination, will make an independent search and will determine the best prior art consistent with 37 CFR 1.104 (a), and in the course of such search will review for relevance every document cited on the attached form even if not initialed.

Early and favorable consideration is respectfully solicited.

**Any fee due with this paper may be charged on Deposit Account 50-1290.**

Respectfully submitted,



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1449/PTO

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Application No. : 10/611,412

Filing Date : June 30, 2003

**INFORMATION DISCLOSURE****STATEMENT BY APPLICANT**

Sheet 1 of 1

First Named Inventor: T. IWAMATSU

Group Art Unit :

Examiner Name :

Attorney Docket No. : FUJI 20.477

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document	Kind Code if known <sup>2</sup>	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear

**FOREIGN DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document Number <sup>2</sup> Kind Code <sup>3</sup> (if known)	Country	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YY/Y	Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear
		2000-40981	JP	FUJITSU LTD	02/08/2000	
		7-30519	JP	NEC CORP	01/31/1995	

**Other Prior Art-Non Patent Literature Documents**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), data, page(s), volume-issue number(s), publisher, country, where published, source.	Applicant check her if English language translation attached
		"EXPERIMENTS ON PARALLEL-TYPE COHERENT MULTI-STAGE INTERFERENCE CANCELLER WITH CHANNEL ESTIMATION USING PILOT AND DECISION-FEEDBACK DATA SYMBOLS IN W-CDMA REVERSE LINK" TECHNICAL REPORT OF THE INSTITUTE OF ELECTRONICS, INFORMATION AND COMMUNICATIONS ENGINEERS; RCS2000-130, pp. 13-19	
		"DECISION FEEDBACK MULTISTAGE RECEIVERS FOR ASYNCHRONOUS CDMA SYSTEMS", IEEE GLOBECON; NOVEMBER 29-DECEMBER 2, 1993; pp. 1677-1682	
Examiner Signature		Date Considered	

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<sup>1</sup>Unique citation designations number. <sup>2</sup>See attached Kind of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of documents by the appropriate symbols as indicated on the document under WIPO Standard ST.1 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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